



Practitioner's Docket No. NEB-210

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Huimin Kong, Myriam Vincent and Yan Xu

Application No.: 10/665,633

Group No.: N/A

Filed: September 19, 2003

Examiner: N/A

For: Helicase Dependent Amplification of Nucleic Acids

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
2. Copies of Listed Information Items Accompanying This Statement
3. Identification of Person(s) Making This Information Disclosure Statement

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

*(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

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Signature

Date: February 10, 2004

Leslie Goldberg

(type or print name of person certifying)

** Only the date of filing (' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" (' 1.10) or facsimile transmission (' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.*

Section 1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)

(Insert form(s) PTO/SB/08A [Form 6-2] and/or form(s) PTO/SB/08B [Form 6-2.1].)

Section 2. Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.

AA-AK, BA, CA-DQ

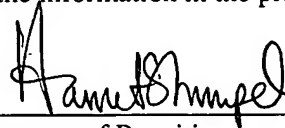
Section 3. Identification of Person Making This Information Disclosure Statement

The person making this certification is:

- a. the practitioner who signs below on the basis of the information in the practitioner's file.

Date: February 10, 2004

Reg. No.: 37,008
Tel. No.: 978-927-5054
Customer No.: 28986

A handwritten signature in black ink, appearing to read "Harriet Strimpel", written over a horizontal line.

Signature of Practitioner

Harriet M. Strimpel, D. Phil.
New England Biolabs, Inc.
32 Tozer Road
Beverly, MA 01915



SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kong et al. Attorney Docket: NEB-210

Serial No: 10/665,633 Art Group Unit:

Date Filed: September 19, 2003 Examiner Name:

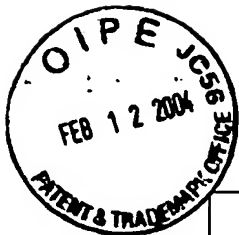
Invention: Helicase Dependent Amplification of Nucleic Acids

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

U.S. PATENT DOCUMENTS					
Examiner Initials	Reference Number	Document Number	Issue/Pub Date	Inventor	Class/Subclass
	AA	US 4,683,195	7/28/87	Mullis et al.	C12Q 1/68
	AB	US 4,683,202	7/28/87	Mullis	C12P 19/34
	AC	US 4,800,159	1/24/89	Mullis et al.	C12N 15/00
	AD	US 5,455,166	10/03/95	Walker et al.	C12P 19/34
	AE	US 5,470,723	11/28/95	Walker et al.	C12Q 1/68
	AF	US 5,714,320	02/03/98	Kool	C12Q 1/68
	AG	US 6,235,502	05/22/01	Weissman et al.	C12P 19/34
	AH	US 5,494,810	02/27/96	Barany et al.	C12Q 1/68
	AI	US 5,716,819	02/10/98	Chatterjee	C12Q 15/22
	AJ	US 6,555,349	04/29/03	O'Donnell	C12Q 1/68
	AK	US2001018182	08/30/01	Friend	C12Q 1/68

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Reference Number	Country Code	Document Number	Publication Date	Patentee or Applicant	Class/Subclass
	BA	WO	0202740	2002-01-10	Rosetta Inpharmatics	C12Q1/68R10A

OTHER DOCUMENTS			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	CA	Walker et al.	Proc. Natl. Acad. Sci. USA 89:392-396 (1992)
	CB	Guatelli et al.	Proc. Natl. Acad. Sci. USA 87:1874-1878 (1990)
	CC	Fire and Xu	Proc. Natl. Acad. Sci. USA 92:4641-4645 (1995)
	CD	Lui et al.	J. Am. Chem. Soc. 118:1587-1594 (1996)
	CE	Lizardi et al.	Nature Genetics 19:225-232 (1998)



	CF	Kornberg and Baker	DNA Replication, W. H. Freeman and Company, New York, 2 nd ed. (1992)
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kong et al.

Attorney Docket: NEB-210

Serial No: 10/665,633

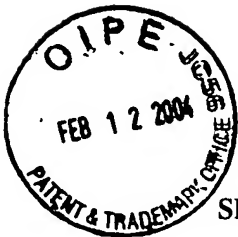
Art Group Unit:

Date Filed: September 19, 2003

Examiner Name:

Invention: Helicase Dependent Amplification of Nucleic Acids

OTHER DOCUMENTS - continued			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	CG	Dean et al.	Proc. Natl. Acad. Sci. USA 99:5261-5266 (2002)
	CH	Barany	Proc. Natl. Acad. Sci. USA 88:189-193 (1991)
	CI	Horn et al.	Nucleic Acids Res. 25:4842-4849 (1997)
	CJ	Cline et al.	Nucleic Acids Res. 24:3546-3551 (1996)
	CK	Yamaguchi et al.	J. Biol. Chem. 273:9197-9201 (1998)
	CL	Mechanic et al.	J. Biol. Chem. 275:38337-38346 (2000)
	CM	Harmon and Kowalczykowski	J. Biol. Chem. 276:232-243 (2001)
	CN	Collins and McCarthy	Extremophiles 7:35-41 (2003)
	CO	Kaplan and Steitz	J. Biol. Chem. 274:6889-6897 (1999)
	CP	Grainge et al.	Nucleic Acids Res. 31:4888-4898 (2003)
	CQ	Caruthers and McKay	Curr. Opin. Struct. Biol. 12:123-133 (2002)
	CR	Soultanas and Wigley	Trends Biochem. Sci. 26:47-54 (2001)
	CS	Matson	J. Biol. Chem. 261:10169-10175 (1986)
	CT	Runyon and Lohman	J. Biol. Chem. 264:17502-17512 (1989)
	CU	Runyon et al.	Proc. Natl. Acad. Sci. USA 87:6383-6387 (1990)
	CV	Lechner and Richardson	J. Biol. Chem. 258:11185-11196 (1983)
	CW	Bernstein and Richardson	J. Biol. Chem. 263:14891-14899 (1988)
	CX	Kim et al.	J. Biol. Chem. 267:15032-15040 (1992)
	CY	Kim et al.	J. Biol. Chem. 267:15022-15031 (1992)
	CZ	Roman and Kowalczykowski	Biochemistry 28:2863-2873 (1989)
	DA	Wang et al.	J. Biol. Chem. 275:507-513 (2000)
	DB	Taylor and Smith	Nature 423:889-893 (2003)
	DC	Dillingham et al.	Nature 423:893-897 (2003)
	DD	Li et al.	Nature 423:512-518 (2003)
	DE	Roychoudhury et al.	Nucleic Acid Res. 6:1323-1333 (1979)
	DF	Kampke et al.	Bioinformatics 17:214-225 (2001)
	DG	Lee et al.	J. Mol. Biol. 316:19-34 (2002)
	DH	Jessing et al.	J. Clin. Microbiol. 41:4095-4100 (2003)
	DI	Keohavong and Thilly	Proc. Natl. Acad. Sci. USA 86:9253-9257 (1989)



SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449) - CONTINUED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kong et al.

Attorney Docket: NEB-210

Serial No: 10/665,633

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Invention: Helicase Dependent Amplification of Nucleic Acids

OTHER DOCUMENTS - continued			
Examiner Initials	Reference Number	Author	Title of Article, Title of Journal, Volume Number, Page Numbers, Date
	DJ	Miyoshi et al.	Biochemistry 41:15017-15024 (2002)
	DK	Dong et al.	Proc. Natl. Acad. Sci. USA 93:14456-14461 (1996)
	DL	Bradford	Anal. Biochem. 72:248-254 (1976)
	DM	Wang et al.	J. Biol. Chem. 275:507-513 (2000)
	DN	Bao et al.	Genome Res. 12:689-700 (2000)
	DO	Kuhn et al.	DNA: Replication and Recombination, Cold Spring Harbor Symposia on Quantitative Biology Vol. XLIII, Cold Spring Harbor Laboratory (1979)
	DP	Sambrook et al.	Molecular Cloning: A Laboratory Manual, 2 nd ed., Cold Spring Harbor Press, Cold Spring Harbor, NY, 8.4-8.13 (2003)
	DQ	N/A	"http://blocks.fhcrc.org/"

Examiner Signature: _____

Date Considered: _____

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.